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## HISTORIC AMERICAN ENGINEERING RECORD

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Jet Propulsion Laboratory Edwards Facility, HAER No. CA-163-GG  
Casting & Curing Building (Building 4285/E-86)  
Edwards Air Force Base  
Boron Vicinity  
Kern County  
California

#### Photographers' Credits:

Credit PSR: Philipp S. Rittermann, Photography &  
Preservation Associates, Inc., September, 1995

Credit WCT: Photographic copy of JPL photograph by  
William C. Tibbitts, date cited in caption

All Jet Propulsion Laboratory materials are in the public  
domain, having been completed under U.S. Government funding.

**CA-163-GG-1** Credit PSR. This view depicts the southwest and  
southeast facades as seen when looking west  
southwest (260°). The building consists of a small  
lean-to control room and a two-story space  
containing a large casting pit. The pit, which can  
be seen through the open doors, was never used due  
to changes in JPL's mission. This steel frame  
structure is clad in "Transite" board (a fire-  
resistant pressed asbestos composite material) and  
interior lighting consists of individual explosion-  
proof lamps mounted around the walls. The building  
was rated for 10,000 pounds (4,545 Kg) of class 2  
materials and four personnel. It was licensed 5  
June 1989 for ammonium perchlorate ( $\text{NH}_4\text{ClO}_4$ ),  
ammonium nitrate ( $\text{NH}_4\text{NO}_3$ ), and sodium nitrate  
( $\text{NaNO}_3$ ).

**CA-163-GG-2** Credit WCT. Original 2-1/4"x2-1/4" color negative  
is housed in the JPL Photography Laboratory,  
Pasadena, California. At one time, Building  
4285/E-86 accommodated tensile testing of  
propellant samples. This view shows a tensile  
strength tester set up for propellant tests, under  
the supervision of JPL staff member Milton Clay  
(JPL negative no. JPL-10291AC, 27 January 1989).

JPL EDWARDS FACILITY, CASTING & CURING  
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This photographic copy of an engineering drawing shows floor plans, sections and elevations of Building E-86, with details typical of the steel frame and "Transite" building construction at JPL Edwards Facility. California Institute of Technology, Jet Propulsion Laboratory, Facilities Engineering and Construction Office: **"Casting & Curing, Building E-86, Floor Plan, Elevations & Section,"** drawing no. E86/6, 25 February 1977. California Institute of Technology, Jet Propulsion Laboratory, Plant Engineering: engineering drawings of structures at JPL Edwards Facility. Drawings on file at JPL Plant Engineering, Pasadena, California.